

## 3.8 Solid Waste

### **GOAL 801**

Monroe County shall provide for the adequate collection, disposal and resource recovery of solid waste in an environmentally sound and economically feasible manner to meet the needs of present and future County residents. [9J-5.011(2)(a)]

#### **Objective 801.1**

Monroe County shall ensure that solid waste collection service and disposal capacity is available to serve development at the adopted level of service standards, concurrent with the impacts of such development. [9J-5.011(2)(b)2]

#### **Policy 801.1.1**

Monroe County hereby adopts the following level of service standards to achieve Objective 801.1, and shall use these standards as the basis for determining facility capacity and the demand generated by a development. [9J-5.011(2)(c)2]

#### **Level of Service Standards:**

1. Collection Frequency:
  - Residential: a minimum of one time per two weeks - domestic refuse  
a minimum of one time per two weeks - yard trash
  - Commercial: by contract
2. Disposal Quantity:
  - 5.44 pounds per capita per day or 12.2 pounds per day per ERU (Equivalent Residential Unit)
  - Haul Out Capacity:  
95,000 tons per year or 42,668 ERUs.
3. Duration of Capacity:
  - Sufficient capacity shall be available at a solid waste disposal site to accommodate all existing and approved development for a period of at three from the projected date of completion of the proposed development or use

#### **Policy 801.1.2**

By January 4, 1997, Monroe County shall adopt Land Development Regulations which provide a Concurrency Management System (see Capital Improvements Policy 1401.4.5). The Concurrency Management System shall ensure that no permits will be issued for new development unless adequate solid waste collection and disposal facilities needed to support the development at the adopted level of service standards are available concurrent with the impacts of development. [9J-5.011(2)(c)1]

**Policy 801.1.3**

All improvements for replacement, expansion or increase in capacity of solid waste collection and disposal facilities shall be compatible with the adopted level of service standards for the facilities. [9J-5.011(2)(c)2]

**Policy 801.1.4**

Monroe County shall rely upon public and/or private solid waste collection systems, with the County providing for solid waste disposal facilities to meet the needs of all incorporated and unincorporated areas of the County excluding the City of Key West. [9J-5.011(2)(c)1]

**Objective 801.2**

Monroe County shall maintain a five-year schedule of capital needs for solid waste collection and disposal as part of the County Capital Improvements Program, identify responsible parties and agencies, and identify time frames for improvement/completion. This program shall be updated annually consistent with Capital Improvements Policy 1401.1.2 and in conjunction with the County's annual budget process to ensure economic feasibility. [9J-5.011(2)(b)1 and 2]

**Policy 801.2.1**

Proposed capital improvement projects shall be evaluated and ranked according to the following priority level guidelines:

**Level One** - whether the project is needed to protect public health and safety, to fulfill the County's commitment to provide facilities and services, or to preserve or achieve full use of existing facilities.

**Level Two** - whether the project increases efficiency of use of existing facilities, prevents or reduces future improvement costs, provides service to developed areas lacking full service, or promotes infill development.

**Level Three** - whether the project represents a logical extension of facilities and services within a designated service area. [9J-5.011(2)(c)1]

**Policy 801.2.2**

Projects to correct existing deficiencies shall be undertaken in accordance with the Five-Year Schedule of Capital Improvements provided in the Capital Improvements Element, and shall be given priority in the formulation and implementation of the annual work programs of the County. [9J-5.011(2)(c)1]

**Objective 801.3**

By January 4, 1998, Monroe County shall implement solid waste disposal methods which meet the projected demands for disposal. These disposal demands shall be met either by continuation of the County's current haul out contract with Waste Management, Inc. (WMI), or by other means as determined by the Monroe County Department of Environmental Management. [9J-5.011(2)(b)2]

**Policy 801.3.1**

The Solid Waste Task Force or other appropriate committee shall continue in an advisory capacity to the Board of County Commissioners on all solid waste matters. [9J-5.011(2)(c)1]

**Policy 801.3.2**

By January 4, 1998, Monroe County shall support a Solid Waste and Resource Recovery Authority for the management of the Monroe County solid waste program through either the public sector or privatization system. [9J-5.011(2)(c)1]

**Policy 801.3.3**

The Cudjoe Expansion landfill shall remain open for emergency landfilling capabilities or future use. The Key Largo, Long Key and Old Cudjoe landfills shall continue to undergo the Florida Department of Environmental Regulation (DER) landfill closure process. [9J-5.011(2)(c)1]

**Policy 801.3.4**

Monroe County shall continue to support City of Key West's efforts to provide their own solid waste management through the use of the most cost-effective and environmentally sound technology. [9J-5.011(2)(c)1]

**Policy 801.3.5**

By January 4, 1997, Monroe County, through the Department of Environmental Management, shall complete preliminary engineering and environmental assessments for a sludge, septage and/or leachate treatment and disposal facility on Crawl Key. [9J-5.011(2)(c)1]

**Policy 801.3.6**

By January 4, 1998 Monroe County, through the Department of Environment Management, shall construct a sludge, septage, and/or leachate treatment and disposal facility on Crawl Key. [9J-5.011(2)(c)1]

**Policy 801.3.7**

Through 1995, and subject to extension, Monroe County shall contract for the haul-out disposal of solid waste including wet garbage, yard waste and construction debris (minimum of 75,000 up to a maximum of 95,000 tons per year), with the vendor responsible for processing construction debris. [9J-5.011(2)(c)2b]

**Policy 801.3.8**

Monroe County, through the Department of Environmental Management, shall investigate and review for County implementation the latest available technology for resource recovery and other alternative solid waste management technologies to meet the solid waste processing and disposal needs beyond 1995. Particular attention shall be given to the environmental effects and cost of such technologies. [9J-5.011(2)(c)1]

**Policy 801.3.9**

By January 4, 1997, Monroe County shall select a long-term disposal and processing method that will handle the solid waste for the unincorporated county, Key Colony Beach and Layton, and will begin the development process for additional facilities if necessary. [9J-5.011(2)(c)1]

**Policy 801.3.10**

By January 4, 1998, Monroe County shall implement solid waste disposal methods to meet the projected disposal needs beyond 1995 either through continuation of the WMI haul out contract or through the installation and initiation of alternative solid waste disposal facilities developed in accordance with Policy 801.3.8. [9J-5.011(2)(c)1]

**Policy 801.3.11**

By January 4, 1997, Monroe County shall update the provisions of Sec. 9.5-494 of the Monroe County Land Development Regulations in order to ensure that sufficient impact fee revenues are available to finance future solid waste facility needs.

**Policy 801.3.12**

Monroe County shall establish an interim policy to avoid consideration of new facility siting involving incineration technology until current DER public health and environmental impact studies are completed and new DER standards for incineration facilities are adopted.

**Policy 801.3.13**

Monroe County shall consider the environmental sensitivity of land and the location of coastal high hazard areas in the siting of new solid waste facilities. [9J-5.011(1)(f)3]

**Objective 801.4**

Monroe County shall achieve a 30 percent diversion rate of the municipal solid waste stream by January 4, 1998 and a 40 percent diversion rate by the year 2000 through recycling. [9J-5.011(2)(b)2]

**Policy 801.4.1**

By January 4, 1997, Monroe County shall assess collection practices, net material recovery, program costs and public participation, and rates of curbside collection pilot programs. The results of this assessment shall be considered in the design and implementation of a subsequent, county-wide, mandatory, curbside recycling program for residential and commercial locations. [9J-5.011(2)(c)1]

**Policy 801.4.2**

By January 4, 1997, Monroe County shall evaluate the Master Recycler Program to determine its success and continued applicability in achieving the state mandated recycling goal. [9J-5.011(2)(c)1]

**Policy 801.4.3**

By January 4, 1997, Monroe County shall implement a county-wide mandatory curbside recycling program, unless an alternate method of recycling is put in place in conjunction

with the disposal method selected pursuant to policies 801.3.8 and 801.3.9. [9J-5.011(2)(c)1]

**Policy 801.4.4**

At select locations, the Department of Environmental Management (DEM) shall continue to implement and expand, as necessary, drop-off collection programs which shall supplement the curbside collection program, and facilitate participation by properties which are not equipped to participate in the curbside collection programs. [9J-5.011(2)(c)1]

**Policy 801.4.5**

Monroe County, in coordination with any contracted private collection and disposal service providers, shall continue to separate yard waste from the solid waste stream, process the yard waste into mulch, offer the mulched product at a minimum of two sites in the Keys, and market the mulched product. [9J-5.011(2)(c)1]

**Policy 801.4.6**

Until January 1, 1996, Monroe County, through the provisions of the solid waste haul out contract, shall continue to operate the preprocessing and material recovery facilities which separate yard, wood, construction and demolition debris. After January 1, 1996, when the current haul out contract expires, preprocessing and material separation shall be continued or alternative methods shall be implemented. [9J-5.011(2)(c)1 and 2b]

**Policy 801.4.7**

Monroe County shall continue to furnish holding areas for abandoned autos and white goods, and contract out for the crushing, baling and transport of abandoned autos and white goods out of the County. [9J-5.011(2)(c)1]

**Policy 801.4.8**

Monroe County shall continue to separate construction and demolition debris and shall separate at least 50% of the newspaper, aluminum cans, glass, and plastic bottles from the waste stream and offer them for recycling by January 4, 1998. [9J-5.011(2)(c)1]

**Objective 801.5**

Monroe County shall undertake activities which support existing state and federal laws pertaining to the handling, transportation and disposal of hazardous wastes. [9J-5.011(2)(b)1 and 2; 9J-5.012(3)(b)2; 9J-5.013(2)(b)2 and 10]

**Policy 801.5.1**

Monroe County shall continue the hazardous materials Amnesty Day Program. [9J-5.011(2)(c)1; 9J-5.013(2)(c)10]

**Policy 801.5.2**

The Monroe County Public Safety Division and the Department of Environmental Management shall continue to identify the location of all hazardous materials in the County and shall have plans prepared, such as the Monroe County Peacetime Emergency Plan, for containment, cleanup, public notification, and fire control, consistent with federal, state, and county mandates. [9J-5.011(2)(c)1; 9J-5.013(2)(c)10]

**Policy 801.5.3**

Inspection measures shall continue to be utilized at Monroe County landfills and transfer facilities to eliminate household generated hazardous wastes from the waste stream. [9J-5.011(2)(c)1; 9J-5.013(2)(c)10]

**Policy 801.5.4**

By January 4, 1997, Monroe County shall amend the Building Code to require storage and containment requirements for those structures utilizing hazardous materials. Containment requirements shall include, but not be limited to, construction of impervious floors, without drains, to insure containment and facilitate the cleanup of any spill or leak. [9J-5.011(2)(c)1; 9J-5.013(2)(c)10]

**Policy 801.5.5**

By January 4, 1997, Monroe County shall adopt Land Development Regulations which address the location of all hazardous waste "small quantity generators" with respect to adjacent uses. Criteria for the location of hazardous waste small quantity generators will be specifically indicated as allowed/prohibited by individual county zoning designation. [9J-5.011(2)(c)1; 9J-5.013(2)(c)10]

**Policy 801.5.6**

By January 4, 1998, the Monroe County Building Department shall provide copies of the certificates of occupancy to the Department of Environmental Management and the Monroe County Fire Department to notify them when buildings or sites become occupied by hazardous materials users and potential hazardous waste generators, as identified on the DEM listing, are issued certificates of occupancy. [9J-5.011(2)(c)1; 9J-5.013(2)(c)10]

**Policy 801.5.7**

By January 4, 1998, Monroe County shall participate in a Region-wide hazardous waste program consistent with the SFRPC Regional Comprehensive Policy Plan. [9J-5.011(2)(c)1; 9J-5.013(2)(c)10]

**Objective 801.6**

Monroe County shall increase intergovernmental coordination efforts with the Department of Community Affairs (DCA), the Department of Environmental Regulation (DER), the South Florida Regional Planning Council (SFRPC), and the County's municipalities to develop and implement the most cost-effective and environmentally sound methods of regional solid waste management. [9J-5.011(2)(b)3]

**Policy 801.6.1**

Monroe County shall continue to manage the collection, transportation, recycling and disposal of solid waste for the cities of Key Colony Beach and Layton, as stipulated in the County's long-term interlocal agreements with these cities. In the event that the City of Key West's waste reduction and on-site disposal facilities no longer fulfill the City's solid waste needs, Monroe County shall negotiate with the City of Key West regarding consolidation of the City and County solid waste management processes. [9J-5.011(2)(c)1]

**Policy 801.6.2**

Monroe County shall continue coordination efforts with the Department of Environmental Regulation (DER) and other involved federal and state agencies to pursue funding for the implementation of the goals, objectives, and policies of this element. [9J-5.011(2)(c)1]

**Objective 801.7**

Monroe County shall continue to promote public awareness of the initiatives to recycle and reduce the solid waste stream.

**Policy 801.7.1**

Monroe County shall continue its long-term recycling goals and programs, including public participation and educational programs, under the direction of the Monroe County Environmental Management Director. [9J-5.011(2)(c)1]

**Policy 801.7.2**

Monroe County shall continue to promote recycling by the retail sector and hospitality industry by conducting recycling audits and Business Recycling Workshops. [9J-5.011(2)(c)1]

**Policy 801.7.3**

Monroe County shall seek to reduce the solid waste stream by 10% by the year 2000 through public awareness efforts.

